

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/24013

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| A. CLASSIFICATION OF SUBJECT MATTER |
| IPC(7) : A61 K 39/42, 39/395, 39/245, 45/00, 9/16; A01 N 59/06; C07 H 21/04; C12 P 21/08; C07 K 16/00; C12 N 15/00, 1/20 |
| US CL : 424/229.1, 184.1, 424/192.1, 202.1, 208.1, 226.1, 227.1, 231.1, 282.1, 486, 499, 690, 698, 514/12, 4, 8; 530/350, |

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : Please See Continuation Sheet

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| Y | US 6,156,313 A (BURTON. D R et al) 5 December 2000 (05.12.2000) claims, figure 4, brief summary | 1-47 |
| Y | US 6,692,752 B1 (SLAOUI et al) 17 February 2004 (17.02.2004), claims | 1-47 |
| X | US 6376170 B1 (BURTON. D R et al) 23 April 2002 (23.04.2002) claims, figure 1, detailed description. | 1-47 |

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| <input type="checkbox"/> Further documents are listed in the continuation of Box C. | <input type="checkbox"/> See patent family annex. |
| * Special categories of cited documents: | |
| "A" document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "E" earlier application or patent published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "O" document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family |
| "P" document published prior to the international filing date but later than the priority date claimed | |

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| Date of the actual completion of the international search 11 July 2005 (11.07.2005) | Date of mailing of the international search report 24 OCT 2005 |
| Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 872-9306 | Authorized officer Padmavathi v. Baskar Telephone No. 571-272-1600 |

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Continuation of B. FIELDS SEARCHED Item 1:
424/229.1, 184.1, 424/192.1, 202.1, 208.1, 226.1, 227.1, 231.1, 282.1, 486, 499, 690, 698, 514/12, 4, 8; 530/350, 387.3, 388.73;
536/23.53; 435/252.3, 320.1, 69.6

Continuation of B. FIELDS SEARCHED Item 3:
MEDLINE, STN, A -GENSEQ, N-GENSEQ, EST, DERWENT, SWISS-PROT, PIR, USPTOWEST, SWISSLINK, GENEMBEL,
PUBLISHED APPLICATIONS AND ISSUED PATENTS, search terms: antibody, Herpes simplex virus, single chain, humanized, viral
proteins or hsv gD, HSVg, binding, bispecific.